

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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| Applicants: | David CLAPHAM et al. | Confirmation No.: | 1595 |
| Application No.: | 10/697,863 | Art Unit: | 1646 |
| Filed: | October 30, 2003 | Examiner: | S. L. Wegert |
| Title: | SPERM-SPECIFIC CATION CHANNEL, CATSPER1, AND USES THEREFOR | | |

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

AMENDMENT IN RESPONSE TO NON-FINAL OFFICE ACTION

Dear Sir:

INTRODUCTORY COMMENTS

In response to the Office Action dated November 12, 2010, Applicants submit this Amendment and Response. A petition and fee authorization for a three-month extension of time for response is submitted herewith and, therefore, these papers are timely filed on or before May 12, 2011.

Amendments to the Claims are reflected in the listing of claims which begins on page 2 of this paper.

Remarks/Arguments begin on page 5 of this paper.